

**GALVESTON DISTRICT ENGINEERING WITH NATURE (EWN) DEMONSTRATION
WORKSHOP MARCH 13-16, 2017
AGENDA**

Title: EWN Using Vegetation on Dredged Material Placement Areas

Day 1 - March 13, Classroom and Field Days

0800-1030 Classroom Session

0800-0830 Welcome-Introduction

Introduce Participants

- Why are We Presenting this Workshop
- What's in it for the Participants
- Background/Experience with the Topic
- Expectations for the Workshop

(Facilitators: Tosin Sekoni-ERDC, Brian Durham-ERDC, Matt Balazik-ERDC, Kevin Philley-ERDC, and Jason Pietroski-ERDC)

Presentations (30 min each)

0830-0900 EWN: Potentials and Possibilities

0900-0930 Vegetative Survey

0930-1000 Biotechnical Planting

1000-1030 Natural and Nature Based Features: Coir Logs/Coconut Fiber

1030-1100 Ecological & Regulatory Considerations

1100-1200 Lunch Break

1200-1600 Field Session

(Facilitators: Scott Alford-UDSA NRCS, Tosin Sekoni-ERDC)

1230-1330 Transportation to Field Sites

- Tour of NRG Energy EcoCenter Facility, Baytown, Texas

1330-1345 Plant Selection, Data Collection-soil Analysis (NPK, pH, Salinity), Growing Season, Temperature, Water Samples

1345-1400 NRG EcoCenter Overview - Scott Alford-USDA NRCS

1400-1600 Ex-Situ Harvest/Storage Techniques (Seeds, Sprigs, Cuttings, Rhizomes, etc. as applicable), Field Demo and Harvest Activity (Hands-on)

****BRING YOUR LUNCH FOR TOMORROW****

Day 2 - March 14, Field Day

0800-0945 Transportation to Field Sites

- Tour of Texas A&M Sargassum and Dune Experiment
- Tour of Placement Area 4 (PA 4)
- Beneficial Use Site 4A

0945-1030 Demonstration of Restoration Plot Layout: Stake, Measure, Flag

1030-1045 Demonstration of Coir Logs/Coconut Fiber Application

1045-1100 Coir Logs/Coconut Fiber Application (Hands-on)

1100-1200 Lunch Break

1200-1215 Demonstration on Planting Techniques

1215-1230 Soil Modification (Osmocote Application, Fertilizer Application, etc.)

1215-1530 Planting Activity and Soil Modification (Hands-on)

1530-1545 Demonstration on Rainbow/Broadcast Seeding Techniques

1545-1600 Rainbow Seeding/Broadcast Seeding Activity (Hands-on)

****BRING YOUR LUNCH FOR TOMORROW****

Day 3 - March 15, Field Day

0800-0930 Transportation to Field Site

0930-1000 In-Situ Harvest and Transplant Demonstration

1000-1100 Planting Activity (Hands on)

1100-1200 Lunch Break

1200-1400 Demonstration of Hydroseeding (*Distichlis Piscata*-saltgrass)

1400-1600 In-Situ Harvest and Transplant Activity (Hands-on)

Day 4 - March 16, Final Day – Classroom

0800-0930 Discussion on Monitoring and Data Collection - Interactive

0930-1000 Discussion on Potential Application and Opportunity - (USACE Properties, USFWS Restoration Projects, etc.) - Interactive

1100-1130 Workshop Evaluation, Feedback, and Adjourn

Contingency Plan (Inclement weather)

Day 1 - 4 - Field Day

0800-0815 Transportation to Field Sites

- Designated Area on SWG Property/US Coast Guard Property (TBD)
- Tour of Texas A&M Sargassum and Sand Dune Experiment

0815-1030 Demonstration of Restoration Plot Layout: Stake, Measure, Flag, etc.

1030-1045 Demonstration of Coir Logs/Coconut Fiber Application

1045-1100 Coir Logs/Coconut Fiber Application (Hands-on)

1100-1200 Lunch Break

1200-1215 Demonstration on Planting Techniques

1215-1230 Soil Modification (Osmocote Application, Fertilizer Application, etc.)

1215-1530 Planting Activity and Soil Modification (Hands-on)

1530-1545 Demonstration on Rainbow/Broadcast Seeding Techniques

1545-1600 Rainbow Seeding/Broadcast Seeding Activity (Hands-on)